

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION

WIN-1461

Effective October 1, 2011

The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation **March 2012**.

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code and the Texas Engineering Practice Act.

Series C3500 Aluminum Double Hung Windows, Individual, Non-impact Resistant, manufactured by

Columbia Commercial Building Products

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Rockwall, Texas 75087-4717

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will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

The Series C3500 windows are aluminum double hung windows. The aluminum double hung windows evaluated in this report are individual, non-impact resistant windows. The aluminum double hung windows evaluated in this report are based on the following tested constructions:

General Description:

System	Description	Label Rating
1	Series C3500 Aluminum Double Hung Windows; X/X	H-AW65 60 x 96

Product Dimensions:

System	Overall Size	Top Sash	Bottom Sash
1	60" x 96"	55 $\frac{7}{8}$ " x 47 $\frac{13}{16}$ "	55 $\frac{7}{8}$ " x 47 $\frac{13}{16}$ "

Glazing Description:

System	Glass Construction ¹	Glazing Method ²
1	IG-1	GM-1

Note: ¹ See the "Glass Construction Key" for the glazing construction.

² See the "Glazing Method Key" for the glazing method description.

Glass Construction Key:

IG-1: The double hung unit contains a sealed insulating glass unit. The sealed insulating glass unit is comprised of two lites of $\frac{1}{4}$ " annealed glass separated by a spacer system. The glass thickness used in the tested assembly and in smaller assemblies shall comply with ASTM E 1300-04.

Glazing Method Key:

GM-1: The insulating glass unit is interior glazed with wedge gasket and aluminum glazing bead at the interior of the glass and two-sided adhesive foam tape at the exterior of the glass.

Frame Construction: The frame is manufactured of extruded aluminum. The frame members are thermally broken. The frame corners are coped, butted and are secured together with four (4) screws at each corner.

Reinforcement: None.

Product Identification: A certification program label (NAMI) will be affixed to the window. The certification program label shall include the manufacturer's name (**Columbia Commercial Building Products**); the product name (**C3500 Aluminum Double Hung Window**); performance characteristics; the approved inspection agency (NAMI); and the applicable standards: AAMA/WDMA/CSA 101/I.S.2-97.

LIMITATIONS

Design pressures:

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressure (psf)
1	60	96	±65

Impact Resistance: These window assemblies do not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. These window assemblies will need to be protected with an impact protective system if installed in areas where windborne debris protection is required.

Acceptance of Smaller Assemblies: Windows assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

INSTALLATION INSTRUCTIONS

General: The window assembly shall be installed in accordance with the manufacturer's installation instructions. Detailed drawings and installation instructions are available from the manufacturer.

Installation: The wood wall framing members shall be minimum Southern Pine dimension lumber. The window shall be secured to the wall framing using the frame of the window with minimum No. 12 x 3" screws. The fasteners shall be located approximately $3\frac{1}{2}$ inches from each corner and approximately 12 inches on center along the perimeter of the window.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.